

**Appendix 1. Available Data for the Calleguas Creek Watershed Reach 1 Dissolved Zinc 303(d) Listing Analysis**

Dissolved Zinc Data Used in 303(d) Listing Analysis							
Reach	Monitoring Type	Project SiteID	Sample Source	Sample Date	Sign	Result (ug/L)	Used in Analysis
1	Navy	CC-MS-1	Receiving Water	2/26/04	=	19.7	Yes
1	Navy	CC-MS-1	Receiving Water	2/3/04	=	18.8	Yes
1	Navy	CC-MS-1	Receiving Water	7/31/03	=	31	Yes
1	Navy	CC-MS-1	Receiving Water	6/10/03	=	10.8	Yes
1	Navy	CC-MS-1	Receiving Water	5/3/03	=	29.9	Yes
1	CC TMDL	1-M-A	Receiving Water	10/27/04	=	3.11	Yes
1	CC TMDL	1-M-A	Receiving Water	8/24/04	=	10.3	Yes
1	CC TMDL	1-M-B	Receiving Water	8/24/04	=	5.82	Yes
1	CC TMDL	1-M-C	Receiving Water	8/24/04	=	4.63	Yes
1	CC TMDL	1-M-D	Receiving Water	8/24/04	=	1.82	Yes
1	CC TMDL	1-M-B	Receiving Water	7/28/04	=	5.04	Yes
1	CC TMDL	1-M-A	Receiving Water	7/28/04	=	10.1	Yes
1	CC TMDL	1-M-D	Receiving Water	7/28/04	=	2.3	Yes
1	CC TMDL	1-M-C	Receiving Water	7/28/04	=	2.82	Yes
1	CC TMDL	1-M-D-08	Receiving Water	6/30/04	=	1.17	Yes
1	CC TMDL	1-M-C-08	Receiving Water	6/30/04	=	3.58	Yes
1	CC TMDL	1-M-B-08	Receiving Water	6/30/04	=	2.07	Yes
1	CC TMDL	1-M-A-08	Receiving Water	6/30/04	=	17.1	Yes
1	CC TMDL	1-M-D-07	Receiving Water	5/27/04	=	1.54	Yes
1	CC TMDL	1-M-C-07	Receiving Water	5/27/04	=	7.96	Yes
1	CC TMDL	1-M-B-07	Receiving Water	5/27/04	=	9.81	Yes
1	CC TMDL	1-M-A-07	Receiving Water	5/27/04	=	10.8	Yes
1	CC TMDL	1-M-D-06	Receiving Water	4/28/04	=	1.58	Yes
1	CC TMDL	1-M-C-06	Receiving Water	4/28/04	=	6.74	Yes
1	CC TMDL	1-M-B-06	Receiving Water	4/28/04	=	7.64	Yes
1	CC TMDL	1-M-A-06	Receiving Water	4/28/04	=	9.62	Yes
1	CC TMDL	1-M-C-04	Receiving Water	3/1/04	=	6.9	Yes
1	CC TMDL	1-M-D-05	Receiving Water	3/25/04	=	4.21	Yes
1	CC TMDL	1-M-C-05	Receiving Water	3/25/04	=	2.61	Yes
1	CC TMDL	1-M-B-05	Receiving Water	3/25/04	=	4.84	Yes
1	CC TMDL	1-M-A-05	Receiving Water	3/25/04	=	6.6	Yes
1	CC TMDL	1-M-D-04	Receiving Water	3/1/04	=	3.21	Yes
1	CC TMDL	1-M-A-04	Receiving Water	3/1/04	=	8.49	Yes

1	CC TMDL	-03/1-WER-D	Receiving Water	1/27/04	=	4.81	Yes
1	CC TMDL	1-M-C-03	Receiving Water	1/27/04	=	5.28	Yes
1	CC TMDL	1-M-B-03	Receiving Water	1/27/04	=	7.43	Yes
1	CC TMDL	1-M-A-03	Receiving Water	1/27/04	=	7.46	Yes
1	CC TMDL	1-M-D-02	Receiving Water	12/2/03	=	2.98	Yes
1	CC TMDL	1-M-B-02	Receiving Water	12/2/03	=	5.18	Yes
1	CC TMDL	1-M-A-02	Receiving Water	12/2/03	=	4.05	Yes
1	CC TMDL	1-M-D	Receiving Water	8/26/03	=	2.15	Yes
1	CC TMDL	1-M-C	Receiving Water	8/26/03	=	2.27	Yes
1	CC TMDL	1-M-B	Receiving Water	8/26/03	=	2.88	Yes
1	CC TMDL	1-M-A	Receiving Water	8/26/03	=	2.2	Yes
1	Navy	SW11-69	Mudflat	2/3/99	<	10.4	Yes
1	Navy	SW11-68	Tidal Creek	2/3/99	<	10.4	Yes
1	Navy	SW11-67	Tidal Creek	2/3/99	<	10.4	Yes
1	Navy	SW11-66	Tidal Marsh	2/3/99	<	10.4	Yes
1	Navy	SW11-64	Mudflat	2/3/99	<	10.4	Yes
1	Navy	SW11-63	Mudflat	2/3/99	<	10.4	Yes
1	Navy	SW11-61	Tidal Creek	2/3/99	<	10.4	Yes
1	Navy	SW11-22	Receiving Water	2/2/94	<	13.3	Yes
1	Navy	SW11-24	Receiving Water	2/1/94	<	1.5	Yes
1	Navy	SW11-23	Receiving Water	1/28/94	<	4.4	Yes
1	Navy	SW11-26	Receiving Water	1/26/94	<	5.6	Yes
1	Navy	SW11-25	Receiving Water	1/26/94	<	5.6	Yes
1	CCCS	CCCS: 15	Receiving Water	5/5/99	=	5.6	Yes
1	CCCS	CCCS: 15	Receiving Water	2/3/99	=	18	Yes
1	CCCS	CCCS: 15	Receiving Water	11/5/98	=	8.4	Yes

**Dissolved Zinc Data That Was Not Used in 303(d) Listing Analysis**

Reach	Monitoring Type	Project SiteID	Sample Source	Sample Date	Sign	Result (ug/L)	Used in Analysis	Reason for Exclusion
NA	Navy	SW11-1	Drainage Ditch	1/25/94	<	1.5	No	The Phase 1 RI (pg 12-6) identifies this sampling location as being either a drainage ditch, storm sewer, or sewage treatment plant outfall indicating it was established to characterize discharges to the lagoon and not the lagoon itself. Map 1 suggests this site corresponds to drainage ditch No. 4.

NA	Navy	SW11-2	Drainage Ditch	1/25/94	<	1.5	No	The Phase 1 RI (pg 12-6) identifies these sampling locations as being either a drainage ditch, storm sewer, or sewage treatment plant outfall indicating they were established to characterize discharges to the lagoon and not the lagoon itself. Map 1 suggests these sites correspond to drainage ditch No. 5.
NA	Navy	SW11-3	Drainage Ditch	1/25/94	<	1.5	No	
NA	Navy	SW11-5	Drainage Ditch	1/26/94	<	5.6	No	The Phase 1 RI (pg 12-6) identifies this sampling location as a small drainage channel indicating it was established to characterize discharges to the lagoon and not the lagoon itself. Map 1 suggests this site corresponding to drainage ditch No. 6.
NA	Navy	SW11-4	Drainage Ditch	1/31/94	<	1.5	No	The Phase 1 RI (pg 12-6) identifies this sampling location as being either a drainage ditch, storm sewer, or sewage treatment plant outfall indicating it was established to characterize discharges to the lagoon and not the lagoon itself. Map 1 shows this site may correspond to Oxnard Drain No. 3.
NA	Navy	SW11-32	Drainage Ditch	2/2/94	<	13.3	No	The Phase 1 RI (pg 12-7) identifies this sampling location as being a small drainage channel indicating it was established to characterize discharges to the lagoon and not the lagoon itself. Map 1 suggests this site corresponds to a drainage ditch off of the Navy base.
NA	Navy	SW11-7	Drainage Ditch	1/29/94	<	1.5	No	The Phase 1 RI (pg 12-6) identifies these sampling locations as being either a drainage ditch, storm sewer, or sewage treatment plant outfall indicating they were established to characterize discharges to the lagoon and not the lagoon itself. It is not clear on Map 1 which discharges these sites corresponds to.
NA	Navy	SW11-27	Drainage Ditch	1/31/94	<	1.5	No	
NA	Navy	SW11-29	Drainage Ditch	1/31/94	<	1.5	No	
NA	Navy	SW11-37	Drainage Ditch	1/29/94	<	1.5	No	
NA	Navy	SW11-6	Drainage Ditch	1/31/94	<	1.5	No	
NA	Navy	SW11-8	Drainage Ditch	1/31/94	<	1.5	No	
NA	Navy	SW11-9	Drainage Ditch	2/2/94	<	13.3	No	
NA	Navy	SW11-28	Drainage Ditch	2/3/94	<	3.3	No	The Phase 1 RI (pg 12-7) identifies this sampling location as a small drainage channel indicating it was established to characterize discharges to the lagoon and not the lagoon itself. Map 1 suggests this site corresponding to drainage ditch No. 7.
NA	Navy	SW11-30	Drainage Ditch	2/3/94	<	18.4	No	The Phase 1 RI (pg 12-7) identifies this sampling location as a small drainage channel indicating it was established to characterize discharges to the lagoon and not the lagoon itself. Map 1 suggests this site corresponds to drainage ditch No. 6.

NA	Navy	SW11-33	Drainage Ditch	2/4/94	=	24.4	No	The Phase 1 RI (pg 12-7) identifies this sampling location as being a small drainage channel indicating it was established to characterize discharges to the lagoon and not the lagoon itself. Map 1 suggests this site corresponds to a drainage ditch in the upper northwestern portion of the base.
NA	Navy	SW11-34	Drainage Ditch	1/29/94	=	36	No	The Phase 1 RI (pg 12-7) identifies these sampling locations as being in small drainage channels indicating they were established to
NA	Navy	SW11-35	Drainage Ditch	2/4/94	<	20	No	
NA	Navy	SW11-60	Drainage Ditch	2/3/99	<	10.4	No	The GW RI (pg 4-20) identifies this sampling location as being within the freshwater drainage system and are generally connected to Mugu Lagoon indicating it was established to characterize discharges to the lagoon and not the lagoon itself. Map 2 suggests this site corresponds to Oxnard Drain No. 2.
NA	Navy	SW6-1	Drainage Ditch	1/25/94	<	23	No	The Phase 1 RI (pg 9-3) identifies this sampling location as being used to characterize water that flows along a shallow swale to South Mugu Road and to a storm sewer that ultimately discharges to drainage ditch No. 6 indicating this sampling location was established to characterize discharges to the lagoon and not the lagoon itself.
1	Navy	SW5-2	Drainage Ditch	1/27/94	<	7.5	No	The Phase 1 RI (pg 8-6) states these samples were collected to determine if surface water is transporting contaminants off site and toward Mugu Lagoon....., SW5-2, which is in a drainage channel that discharges to Mugu Lagoon. The Phase 1 RI indicates this sample was collected to characterize discharges to the lagoon and not the lagoon itself.
1	Navy	SW5-2	Drainage Ditch	1/27/94	<	7.5	No	
1	Navy	SW5-2	Drainage Ditch	1/27/94	<	7.5	No	
1	Navy	SW5-2	Drainage Ditch	1/27/94	<	7.5	No	
1	Navy	SW5-2	Drainage Ditch	1/27/94	<	1.5	No	
1	Navy	SW5-2	Drainage Ditch	1/28/94	<	7.5	No	
1	Navy	SW5-2	Drainage Ditch	1/28/94	<	1.5	No	
1	Navy	SW5-2	Drainage Ditch	1/28/94	<	15.5	No	
1	Navy	SW5-2	Drainage Ditch	2/2/94	<	66.5	No	
1	Navy	SW5-2	Drainage Ditch	2/2/94	<	66.5	No	
1	Navy	SW5-2	Drainage Ditch	2/2/94	<	66.5	No	
1	Navy	SW5-2	Drainage Ditch	2/2/94	<	66.5	No	
1	Navy	SW5-2	Drainage Ditch	2/2/94	<	66.5	No	
1	Navy	SW5-2	Drainage Ditch	2/3/94	<	66.5	No	
1	Navy	SW5-2	Drainage Ditch	2/3/94	<	66.5	No	
1	Navy	SW5-2	Drainage Ditch	2/3/94	<	13.3	No	
2	Navy	SW11-21	Receiving Water	2/1/94	<	15.6	No	
2	Navy	SW11-19	Receiving Water	2/3/94	=	33.3	No	
2	CCCS	CCCS: 7	Receiving Water	8/5/98	=	5.6	No	

2	CCCS	CCCS: 7	Receiving Water	8/5/98	=	5.6	No
2	CCCS	CCCS: 7	Receiving Water	11/5/98	=	25	No
2	CCCS	CCCS: 7	Receiving Water	11/5/98	=	25	No
2	Navy	SW11-59	Receiving Water	2/3/99	=	22.8	No
2	CCCS	CCCS: 7	Receiving Water	2/3/99	=	21	No
2	CCCS	CCCS: 7	Receiving Water	2/3/99	=	21	No
2	CCCS	CCCS: 7	Receiving Water	5/5/99	=	10	No
2	CCCS	CCCS: 7	Receiving Water	5/5/99	=	10	No
2	Navy	CC-SS-1	Receiving Water	6/10/03	=	16.2	No
2	CC TMDL	2-M-B	Receiving Water	8/27/03	=	18.9	No
2	CC TMDL	2-M-B-02	Receiving Water	12/2/03	=	14.1	No
2	CC TMDL	2-M-B-03	Receiving Water	1/27/04	=	16.7	No
2	Navy	CC-SS-1	Receiving Water	2/3/04	=	30.1	No
2	Navy	CC-SS-1	Receiving Water	2/26/04	=	21.8	No
2	CC TMDL	2-M-B-R	Receiving Water	2/26/04	=	3.94	No
2	CC TMDL	2-M-B-04	Receiving Water	3/1/04	=	9.36	No
2	CC TMDL	2-M-B-05	Receiving Water	3/25/04	=	12.8	No
2	CC TMDL	B-06 (+MS/M	Receiving Water	4/28/04	=	13.6	No
2	CC TMDL	2-M-B-07	Receiving Water	5/27/04	=	14.6	No
2	CC TMDL	2-M-B-08	Receiving Water	6/30/04	=	9.08	No
2	CC TMDL	2-M-B	Receiving Water	7/28/04	=	11.4	No
2	CC TMDL	2-M-B	Receiving Water	8/24/04	=	6.83	No
2	CC TMDL	2-M-B	Receiving Water	10/27/04	=	12.9	No
4	Navy	SW11-20	Receiving Water	2/1/94	<	52.2	No
4	Navy	SW11-18	Receiving Water	2/3/94	<	12.4	No
4	Navy	SW11-58	Receiving Water	2/3/99	=	7.9	No
4	Navy	RS-SS-1	Receiving Water	6/10/03	=	16.7	No
4	Navy	RS-SS-1	Receiving Water	2/3/04	=	40.3	No
4	Navy	RS-SS-1	Receiving Water	2/26/04	=	15.3	No
ODD2	Navy	SW11-15	Drainage Ditch	1/29/94	<	4.8	No
ODD2	Navy	SW11-16	Drainage Ditch	1/30/94	<	6.5	No
ODD2	Navy	SW11-17	Drainage Ditch	1/31/94	<	32.8	No
ODD2	Navy	SW11-74	Drainage Ditch	2/3/99	<	9.4	No
ODD2	Navy	SW11-75	Drainage Ditch	2/3/99	=	7.1	No
ODD3	Navy	SW11-11	Drainage Ditch	1/30/94	<	1.5	No
ODD3	Navy	SW11-12	Drainage Ditch	2/2/94	<	13.3	No
ODD3	Navy	SW11-13	Drainage Ditch	2/3/94	<	13.3	No

These sampling locations are located in Reach 2 (Lower Calleguas Creek) which is considered a separate waterbody in the listing process.

These sampling locations are located in Reach 4 (Revolon Slough) which is considered a separate waterbody in the listing process.

These sampling locations are located in Duck Pond Agricultural Drain/Mugu Drain/Oxnard Drain No 2 which is considered a separate waterbody in the listing process.

